

CLAIMS

1. A display system, which includes a display device and a device provided on a display section of the display device and having one or more conductive thin plates,

said display system comprising:

a display device driving section for driving the display device; and

a signal application section for applying, to the device having one or more conductive thin plates, a noise cancel signal whose amplitude and phase are equal with an amplitude and a phase of a driving signal applied from the display device driving section to the display device.

2. The display system as set forth in claim 1, wherein

the device having one or more conductive thin plates includes two conductive thin plates overlapping each other, and the noise cancel signal is applied to at least a conductive thin plate of the two conductive thin plates which is provided closer to the display section of the display device.

3. The display system as set forth in claim 1, wherein

the device having one or more conductive thin

plates is an input device for detecting a position via which information is inputted from outside.

4. The display system as set forth in claim 3, wherein

the input device has two conductive thin films overlapping each other, and the noise cancel signal is applied to at least a conductive thin plate of the two conductive thin plates which is provided closer to the display section of the display device.

5. The display system as set forth in claim 3, wherein the input device includes:

an input device control section to which a detection signal for detecting a position via which information is inputted from outside to the conductive thin plate; and

a signal switching section for selecting either the noise cancel signal or the detection signal so as to input the selected signal to the conductive thin plate.

6. The display system as set forth in claim 5, wherein the signal switching section switches the noise cancel signal to the detection signal or switches the detection signal to the noise cancel signal in accordance with whether or not information is inputted from outside

to the conductive thin plate.

7. The display system as set forth in claim 5, wherein: in case where the display system is provided on a device having a telephone function and/or a sound collecting function, the signal switching section selects the noise cancel signal in using the telephone function and/or the sound collecting function so as to input the noise cancel signal to the conductive thin plate.

8. The display system, as set forth in claim 5, wherein the input device further includes a conversion circuit for converting an amplitude of the noise cancel signal before inputting the noise cancel signal to the input device control section.

9. The display system as set forth in any one of claims 1 through 8, wherein:

the display section of the display device is a liquid crystal panel which has two substrates and liquid crystal provided between the two substrates, and

the noise cancel signal has an amplitude and a phase equal with an amplitude and a phase of a driving signal which influences electric charge existing between the liquid crystal panel and the conductive thin plate.

10. The display system as set forth in any one of claims 1 through 8, wherein:

in case where the display section of the display device is a liquid crystal panel which has two substrates and liquid crystal provided between the two substrates and in case where a thin film transistor is provided on a substrate of the two substrates which is positioned further from the conductive thin plate,

the noise cancel signal has an amplitude and a phase equal with an amplitude and a phase of a driving signal applied to a substrate of the two substrates which is positioned closer to the conductive thin plates.